## **EAST Search History**

## **EAST Search History (Prior Art)**

Ref#	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
S1	1	"20080146468".pn.	US-PGPUB; USPAT; USOCR	OR	ON	2010/05/13 18:16
S2	1024	"KONISHI, SHOZABURO".in. or "KANO, MAKOTO".in. or "UENO, TAKAFUMI".in. or "ISHIKAWA, TAKAO".in.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	OR	ON	2010/05/13 18:17
S3	1204	S2 or ("NIPPON OIL CORPORATION" or "NISSAN MOTOR CO.").as.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	OR	ON	2010/05/13 18:18
S4	89	S3 and ("diamond-like carbon" or DLC or "diamond like carbon" or "diamond-like coat" or "diamond like coat" or "diamond- like coating" or "diamond like coating")	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	OR	ON	2010/05/13 18:21
S5	1162	508/433,109,154,179.ccls.	US-PGPUB; USPAT; USOCR	OR	ON	2010/05/1 <b>3</b> 18:21
S6	4051	428/408.ccls.	US-PGPUB; USPAT; USOCR	OR	ON	2010/05/13 18:22
S7	5201	S5 or S6	US-PGPUB; USPAT; USOCR	OR	ON	2010/05/13 18:23
S8	119	S7 and ("diamond-like carbon" or DLC or "diamond like carbon" or "diamond like coat" or "diamond-like coating" or "diamond like coating" or "diamond like coating") and ((base adj oil) or lubrica\$5) and @ad<"20030806"	US-PGPUB; USPAT; USOCR	OR	ON	2010/05/13 18:27
S9	2	S8 and ((zinc near dithiophosphate) or (zinc near dialkylphosphate) or (zinc near dialkyldithiophosphate) or ZDP or ZDDP)	US-PGPUB; USPAT; USOCR	OR	ON	2010/05/13 18:29
S10	103	S8 and friction	US-PGPUB; USPAT; USOCR	OR	ON	2010/05/13 18:31

S11	11	("20020086803"   "20020142922"   "20030162672"   "20040092405"   "20040242434"   "20050241216"   "20050272616"   "5282990"   "6333298"   "6508416"   "6543394").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2010/05/13 18:32
S12	493	"20020057855" (US-PGPUB) "20020060982" (US-PGPUB) "20020174741" (US-PGPUB) "20030099416" (US-PGPUB) "20040146667" (US-PGPUB) "20050062470" (US-PGPUB) "20050062470" (US-PGPUB) "20050229851" (US-PGPUB) "20050229851" (US-PGPUB) "20050280413" (US-PGPUB) "20060095060" (US-PGPUB) "20070090741" (US-PGPUB) "20070090741" (US-PGPUB) "20080146468" (US-PGPUB) "20080190284" (US-PGPUB) "5637373" (USPAT) "5672054" (USPAT) "5674638" (USPAT) "5734530" (USPAT) "5734530" (USPAT) "5947710" (USPAT) "5989672" (USPAT) "6122148" (USPAT) "6122148" (USPAT) "6122148" (USPAT) "61221108" (USPAT) "6335080" (USPAT) "6335080" (USPAT) "6335080" (USPAT) "6335080" (USPAT) "6347754" (USPAT) "6328856" (USPAT) "6328856" (USPAT) "6335080" (USPAT) "6328856" (USPAT) "6328856" (USPAT) "6328856" (USPAT) "6328856" (USPAT) "6328856" (USPAT) "6328856" (USPAT) "634047" (USPAT) "6328856" (USPAT) "6394474" (USPAT) "6615689" (USPAT) "6994474" (USPAT) "7012425" (USPAT) "7078895" (USPAT) "7078895" (USPAT)	US-PGPUB; USPAT; USOCR			2010/05/13 18:32

		"7172343"(USPAT)				
S13	66	("diamond-like coating" or "diamond like coating" or DLC or "diamond-like carbon" or "diamond like carbon") and (GTL or "gas to liquid" or "Fischer-Tropsch" or fischer adj tropsch).bi.	US-PGPUB; USPAT; USOCR	OR	ON	2010/05/13 18:33
S14	49	("Fischer-Tropsch" or fischer adj tropsch) same aromatic near content and (sulfur or sulphur) near content and "internal combustion engine".bi.	US-PGPUB; USPAT; USOCR	OR	ON	2010/05/13 18:34
S15	23	aromatic and (sulfur or sulphur) and (metal or zinc) near dialkylphosphate	US-PGPUB; USPAT; USOCR	OR	ON	2010/05/13 18:35
S16	57	("diamond-like carbon" or DLC or "diamond like carbon" or "diamond-like coat" or "diamond like coating" or "diamond like coating") and ((base adj oil) or lubrica\$5) and ((zinc near dialkylphosphate) or (zinc near dialkyldithiophosphate) or (zDP or ZDDP)	US-PGPUB; USPAT; USOCR	OR	ON	2010/05/13 18:36
S17	19	S16 and glycerol near monooleate	US-PGPUB; USPAT; USOCR	OR	ON	2010/05/13 18:36
S18	36	S16 and salicylate	US-PGPUB; USPAT; USOCR	OR	ON	2010/05/13 18:37

## **EAST Search History (Interference)**

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